

Focus Area 24: Respiratory Diseases

Objective 24-10 targets an overall reduction in the chronic obstructive pulmonary disease (COPD) death rate for persons aged 45 years and over to 60.0 per 100,000 population. NOTE: the operational definition for this objective was changed per HP2010 Midcourse Review to include only ICD-10 codes J40-J44, which excludes asthma (J45-J47) from the previous definition.

Age-adjusted death rates for COPD declined from 119.2 per 100,000 population aged 45 and over in 2000 to 106.5 per 100,000 in 2004, but this was not a statistically significant trend (Figure 24-10, Table 24-10). These death rates are significantly higher than the HP2010 target of 60.0 per 100,000, and the COPD objective for the total population aged 45 and over is not being achieved.

Although declining significantly, COPD death rates for males aged 45 and over (115.1 per 100,000 in 2004) were significantly higher than death rates for females (99.8 per 100,000 in 2004). This HP2010 objective is not being achieved for either males or females as of 2004.

Data by race and ethnicity show that the highest COPD death rates for persons aged 45 and over were found for Whites (135.9 per 100,000 in 2004). The next highest COPD death rates were found for African Americans/Blacks (93.8 per 100,000 in 2004), and for American Indians/Alaska Natives (70.6 per 100,000 in 2004). The only reliable COPD death rate found for Pacific Islanders was 89.9 per 100,000 in 2002. The HP2010 objective is not being achieved for any of these racial populations as of 2004. The objective is, however, being achieved for the Asian population aged 45 and over (41.2 per 100,000 in 2004), the Hispanic/Latino population (42.2 per 100,000 in 2004), and the "Multirace" population (38.2 per 100,000 in 2004).

For more information on COPD in California, visit the Prevention Services Web site at:

<http://www.dhs.ca.gov/ps/>

For more information on Healthy People 2010 objective 24-10, please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#_Toc489704825

and

<http://www.healthypeople.gov/Document/html/tracking/od24.htm#copd>

Figure 24-10
Chronic Obstructive Pulmonary Disease Death Rates
Among Persons Aged 45 and Over
California, 2000-2004

Healthy People 2010 Objective = 60.0

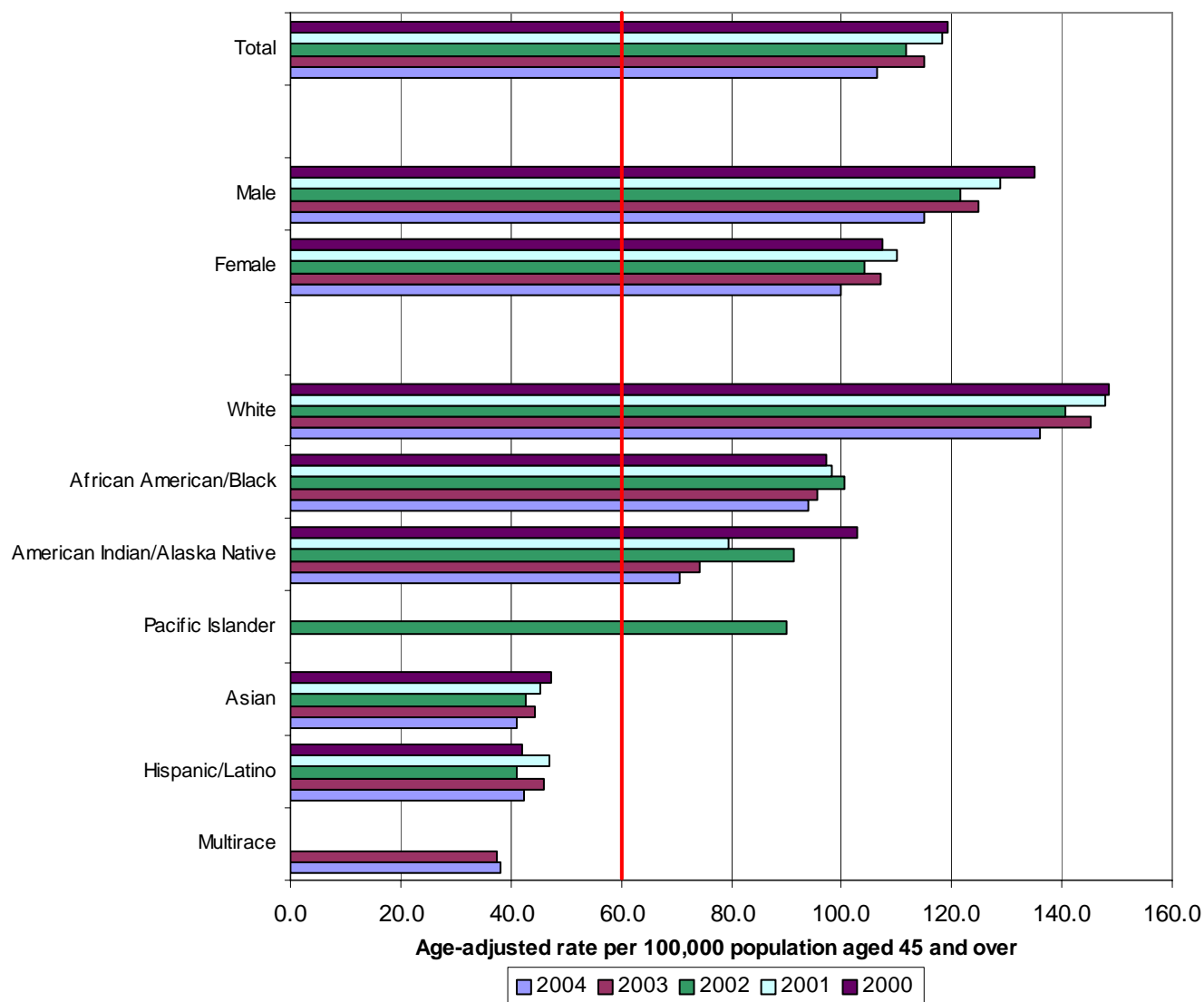


Table 24-10: Chronic Obstructive Pulmonary Disease Deaths and Death Rates Among Persons Aged 45 and Over California, 2000-2004

COPD Deaths*	2000		Lower	Upper	2001		Lower	Upper
	N	Rate¹	95% C.I.	95% C.I.	N	Rate¹	95% C.I.	95% C.I.
Healthy People 2010 Objective 24-10	60.0				60.0			
Statewide Total	12,022	119.2	117.1	121.3	12,315	118.3	116.2	120.3
Race-Ethnicity								
African American/Black	523	97.4	89.0	105.7	552	98.1	89.9	106.3
American Indian/Alaska Native	45	102.9	72.9	133.0	38	79.6	54.3	104.9
Asian	481	47.3	43.1	51.5	493	45.2	41.2	49.2
Pacific Islander	16	DSU	-----	-----	11	DSU	-----	-----
Hispanic/Latino	581	42.1	38.7	45.6	695	47.0	43.5	50.5
White	10,358	148.3	145.5	151.2	10,509	147.9	145.1	150.8
Multirace	12	DSU	-----	-----	13	DSU	-----	-----
Gender								
Female	6,200	107.5	104.8	110.2	6,497	110.2	107.5	112.9
Male	5,822	135.0	131.6	138.5	5,778	128.9	125.6	132.3

COPD Deaths*	2002		Lower	Upper	2003		Lower	Upper
	N	Rate¹	95% C.I.	95% C.I.	N	Rate¹	95% C.I.	95% C.I.
Healthy People 2010 Objective 24-10	60.0				60.0			
Statewide Total	11,982	111.6	109.6	113.6	12,689	114.9	112.9	116.9
Race-Ethnicity								
African American/Black	585	100.5	92.3	108.6	580	95.5	87.8	103.3
American Indian/Alaska Native	53	91.5	66.8	116.1	51	74.2	53.9	94.6
Asian	492	42.8	39.0	46.5	532	44.4	40.6	48.1
Pacific Islander	19	89.9	49.5	130.3	16	DSU	-----	-----
Hispanic/Latino	648	41.2	38.0	44.4	764	45.9	42.6	49.2
White	10,166	140.5	137.7	143.2	10,685	145.2	142.5	148.0
Multirace	12	DSU	-----	-----	43	37.4	26.2	48.6
Gender								
Female	6,352	104.1	101.6	106.7	6,689	107.1	104.5	109.6
Male	5,630	121.5	118.3	124.7	6,000	125.0	121.8	128.2

COPD Deaths*	2004		Lower	Upper	5-year	HP2010 Objective
	N	Rate¹	95% C.I.	95% C.I.	Trend	Being Achieved?
Healthy People 2010 Objective 24-10	60.0					
Statewide Total	11,916	106.5	104.6	108.4	ns	No
Race-Ethnicity						
African American/Black	581	93.8	86.2	101.5	ns	No
American Indian/Alaska Native	49	70.6	50.9	90.4	ns	No
Asian	517	41.2	37.7	44.8	Sig. -	Yes
Pacific Islander	12	DSU	-----	-----	n/a	Unk
Hispanic/Latino	739	42.2	39.2	45.3	ns	Yes
White	9,964	135.9	133.2	138.6	ns	No
Multirace	45	38.2	27.0	49.4	n/a	Yes
Gender						
Female	6,303	99.8	97.4	102.3	ns	No
Male	5,613	115.1	112.1	118.2	Sig. -	No

SOURCES: CA Department of Health Services, Death Records, 2000-2004; CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California and Its Counties 2000-2050, May 2004.

NOTES: * Chronic Obstructive Pulmonary Disease (COPD) deaths defined by ICD-10 codes J40-J44.

DSU = Data Statistically Unreliable due to small number of events.

¹ Rates are per 100,000 population aged 45 and over, age-adjusted using the 2000 U.S. Standard Population.

ns No significant trend as measured by linear regression analysis; n/a Not applicable (fewer than five data points).

Sig. - Statistically significant decrease in age-adjusted death rates from 2000 to 2004.